

ALDRICH CHEMICAL CO INC. -- 27063-6 CHLOROFORM, HPLC GRADE -- 6810-00-973-6472

===== Product Identification =====

Product ID:27063-6 CHLOROFORM, HPLC GRADE

MSDS Date:08/17/1987

FSC:6810

NIIN:00-973-6472

MSDS Number: BQKQS

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC.

Address:1001 W. ST. PAUL AVE

Box:2060

City:MILWAUKEE

State:WI

ZIP:53201

Country:US

Info Phone Num:414-273-3850 FA

X: 414-273-4979

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53233

Country:US

Phone:414-273-3850

CAGE:60928

===== Composition/Information on Ingredients =====

Ingred Name:CHLOROFORM (SARA III)

CAS:67-66-3

RTECS #:FS9100000

Fraction by Wt: 99.9%+

Other REC Limits:TRANS PEL:50 PPM, C

OSHA PEL:(C) 50 PPM

ACGIH TLV:10 PPM; A2; 9293

EPA Rpt Qty:10

LBS
DOT Rpt Qty:10 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 908 MG/M3
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:HIGHLY TOXIC! CARCINOGEN! ACUTE:MAY
BE FATAL IF INHALED, INGESTED OR ABSORBED THROUGH SKIN. VAPOR/MIST
IS IRRIT TO EYES, MUCOUS MEMBRANES & UPPER RESP TRACT. CAUSES SKIN
IRRITATION. CHRONIC:CARCINOGEN. DAMAGE TO LIVER, KIDNEYS AND
HEART.EXPOSURE TO AND/OR CONSUMPTION OF ALCOHOL MAY INCREASE TOXIC
EFFECTS.
Explanation of Carcinogenicity:CHLOROFORM IS LISTED BY NTP AND IARC.
SEE INDIVIDUAL REPORTS FOR DETAILS.
Effects of Overexposure:NAUSEA, DIZZINESS AND HEADACHE. MAY CAUSE
NERVOUS SYSTEM DISTURBANCES.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYES:IMMEDIATELY FLUSH W/
COPIOUS AMTS OF WATER FOR AT LEAST
15 MINUTES. SKIN:IMMEDIATELY FLUSH W/COPIOUS AMTS OF WATER FOR 15
MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. WASH
CONTAMINATED CLOTHING BEFORE REUSE. INHAL:REMOVE TO FRESH AIR.
SUPPORT BREATHING (GIVE O2/ARTF RESP) CALL MD. INGEST:RINSE MOUTH
W/WATER. DO NOT INDUCE VOMIT. DRINK 8-10 OZ WATER. CALL MD
IMMEDIATELY .

===== Fire Fighting Measures =====

Flash Point:NONE
Extinguishing Media:NON
COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE
TO SURROUNDING FIRE CONDITIONS.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA
AND FULL PROTECTIVE EQUIPMENT TO PREVENT CONTACT WITH SKIN AND
EYES.
Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. WEAR SCBA, RUBBER BOOTS & HEAVY
RUBBER GLOVES. ABSORB ON SAND OR VERMICULITE & PLA

CE IN CLOSED

CONTAINERS FOR DISPOSAL. VENTILATE AREA & WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLET E.

Neutralizing Agent:NO INFORMATION GIVEN ON MSDS BY MFR.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP TIGHTLY CLOSED. PROTECT FROM LIGHT. DO NOT BREATHE VAPOR. AVOID ALL CONTACT.

Other Precautions:NONE

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR APPROPRIATE NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING. SAFETY SHOWER AND EYE BATH.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

Supplemental Safety and Health

MSDS RECEIVED FROM NAVY (FOCAL POINT N). CAGE CODE AND NSN IDENTIFIED BY THEM.

===== Physical Properties =====

Physical Properties =====

HCC:T3

NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:141F,61C

Melt/Freeze Pt:M.P/F.P Text:-81F,-63C

Vapor Pres:160 MM

Vapor Density:4.1

Spec Gravity:1.492

Appearance and Odor:NO INFORMATION GIVEN ON MSDS BY MFR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

BASES, ALUMINUM,

Stability Condition to Avoid:SENSITIVE TO LIGHT.

Hazardous Decomposition Products:TOXIC FUMES OF:HYDROGEN CHLORIDE GA

S,
PHOSGENE GAS, CARBON MONOXIDE, CARBON DIOXIDE.

===== Disposal Considerations =====

Waste Disposal Methods: MATL SHOULD BE IGNITED IN PRESENCE OF SODIUM CARBONATE & SLAKED LIME (CALCIUM HYDROXIDE). SUBSTANCE SHOULD BE MIXED W/ VERMICULITE & THEN W/ DRY CAUSTICS, WRAPPED IN PAPER & BURNED IN CHEMICAL INCINERATOR EQUIPPED W/ AFTERBURNER & SCRUBBER.

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